

## ABSTRACT

The invention relates to a laminate, which is characterized in that it comprises at least one layer including a resistance element (1), and at least one layer formed of a fibre reinforced thermoplastic mat (2). The resistance element (1) and the thermoplastic layer (2) are laminated under pressure, preferably by vacuum moulding, and the thermoplastic is melted under heat and then cooled so that the resistance element is completely or partly enclosed by thermoplastic and is consolidated as a laminate.

Further, a method is provided for manufacturing of a fibre reinforced laminated resistance element. In the method, at least one resistance element (1) is arranged together with at least one layer of a mat of reinforcement fibres (25) and thermoplastic fibres (26) in a mould, and the resistance element (1) is moulded together with the fibre reinforced thermoplastic layer (2) under heat so that the thermoplastic fibres (26) melt and fill the fibre reinforcement (25), and under pressure, preferably by vacuum moulding (28), so that they together form the fibre reinforced laminated resistance element.

(Fig. 1)